

IN THE U.S. PATENT AND TRADEMARK OFFICE

Compact Disk TRANSMITTAL LETTER

Applicant: N. ALEXANDROV et al.

Appl. No.: NEW

Filed: July 15, 2003

For: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING
POLYPEPTIDES ENCODED THEREBY

The application identified above contains two (2) identical CD-Rs created using IBM-PC,
MS-Windows operating system. The files contained on the CD-R are as follows:

File Name:	Creation Date:	File Size (bytes):
010809 Protein Domain Table.txt	10/4/02	2,752,459
reference.311988.710-0004-55300-US-U-32792.01_0a_1	10/4/02	461,395
reference.311988.710-0004-55300-US-U-32792.01_0a_10	10/4/02	207,369
reference.311988.710-0004-55300-US-U-32792.01_0a_2	10/4/02	553,530
reference.311988.710-0004-55300-US-U-32792.01_0a_3	10/4/02	563,695
reference.311988.710-0004-55300-US-U-32792.01_0a_4	10/4/02	565,708
reference.311988.710-0004-55300-US-U-32792.01_0a_5	10/4/02	522,776
reference.311988.710-0004-55300-US-U-32792.01_0a_6	10/4/02	376,602
reference.311988.710-0004-55300-US-U-32792.01_0a_7	10/4/02	277,418
reference.311988.710-0004-55300-US-U-32792.01_0a_8	10/4/02	259,997
reference.311988.710-0004-55300-US-U-32792.01_0a_9	10/4/02	299,503
reference.311988.710-0004-55300-US-U-32792.01_1	10/4/02	2,546,181
reference.311988.710-0004-55300-US-U-32792.01_10	10/4/02	2,396,974
reference.311988.710-0004-55300-US-U-32792.01_2	10/4/02	1,421,659
reference.311988.710-0004-55300-US-U-32792.01_3	10/4/02	1,498,061
reference.311988.710-0004-55300-US-U-32792.01_4	10/4/02	1,341,718
reference.311988.710-0004-55300-US-U-32792.01_5	10/4/02	1,579,055
reference.311988.710-0004-55300-US-U-32792.01_6	10/4/02	2,866,471

File Name:	Creation Date:	File Size (bytes):
reference.311988.710-0004-55300-US-U-32792.01_7	10/4/02	4,019,160
reference.311988.710-0004-55300-US-U-32792.01_8	10/4/02	4,314,934
reference.311988.710-0004-55300-US-U-32792.01_9	10/4/02	3,797,914
reference.39946.710-0004-55300-US-U-32792.01_0a_1	10/4/02	185,629
reference.39946.710-0004-55300-US-U-32792.01_0a_10	10/4/02	194,457
reference.39946.710-0004-55300-US-U-32792.01_0a_11	10/4/02	190,991
reference.39946.710-0004-55300-US-U-32792.01_0a_12	10/4/02	204,877
reference.39946.710-0004-55300-US-U-32792.01_0a_13	10/4/02	187,837
reference.39946.710-0004-55300-US-U-32792.01_0a_14	10/4/02	190,626
reference.39946.710-0004-55300-US-U-32792.01_0a_15	10/4/02	231,217
reference.39946.710-0004-55300-US-U-32792.01_0a_16	10/4/02	183,806
reference.39946.710-0004-55300-US-U-32792.01_0a_17	10/4/02	187,168
reference.39946.710-0004-55300-US-U-32792.01_0a_18	10/4/02	195,157
reference.39946.710-0004-55300-US-U-32792.01_0a_19	10/4/02	191,500
reference.39946.710-0004-55300-US-U-32792.01_0a_2	10/4/02	192,062
reference.39946.710-0004-55300-US-U-32792.01_0a_20	10/4/02	211,375
reference.39946.710-0004-55300-US-U-32792.01_0a_21	10/4/02	200,130
reference.39946.710-0004-55300-US-U-32792.01_0a_22	10/4/02	342,039
reference.39946.710-0004-55300-US-U-32792.01_0a_23	10/4/02	405,820
reference.39946.710-0004-55300-US-U-32792.01_0a_24	10/4/02	384,201
reference.39946.710-0004-55300-US-U-32792.01_0a_25	10/4/02	419,102
reference.39946.710-0004-55300-US-U-32792.01_0a_26	10/4/02	419,032
reference.39946.710-0004-55300-US-U-32792.01_0a_27	10/4/02	409,789
reference.39946.710-0004-55300-US-U-32792.01_0a_28	10/4/02	407,932
reference.39946.710-0004-55300-US-U-32792.01_0a_29	10/4/02	391,915
reference.39946.710-0004-55300-US-U-32792.01_0a_3	10/4/02	183,806
reference.39946.710-0004-55300-US-U-32792.01_0a_30	10/4/02	58,423
reference.39946.710-0004-55300-US-U-32792.01_0a_4	10/4/02	191,080
reference.39946.710-0004-55300-US-U-32792.01_0a_5	10/4/02	172,888
reference.39946.710-0004-55300-US-U-32792.01_0a_6	10/4/02	189,828
reference.39946.710-0004-55300-US-U-32792.01_0a_7	10/4/02	200,196
reference.39946.710-0004-55300-US-U-32792.01_0a_8	10/4/02	190,893
reference.39946.710-0004-55300-US-U-32792.01_0a_9	10/4/02	194,263
reference.39946.710-0004-55300-US-U-32792.01_1	10/4/02	4,219,949
reference.39946.710-0004-55300-US-U-32792.01_10	10/4/02	4,201,343
reference.39946.710-0004-55300-US-U-32792.01_11	10/4/02	4,294,397
reference.39946.710-0004-55300-US-U-32792.01_12	10/4/02	4,074,355
reference.39946.710-0004-55300-US-U-32792.01_13	10/4/02	4,145,376
reference.39946.710-0004-55300-US-U-32792.01_14	10/4/02	4,162,915
reference.39946.710-0004-55300-US-U-32792.01_15	10/4/02	3,725,789
reference.39946.710-0004-55300-US-U-32792.01_16	10/4/02	4,207,681
reference.39946.710-0004-55300-US-U-32792.01_17	10/4/02	4,518,438
reference.39946.710-0004-55300-US-U-32792.01_18	10/4/02	4,144,438

File Name:	Creation Date:	File Size (bytes):
reference.39946.710-0004-55300-US-U-32792.01_19	10/4/02	4,259,798
reference.39946.710-0004-55300-US-U-32792.01_2	10/4/02	4,361,879
reference.39946.710-0004-55300-US-U-32792.01_20	10/4/02	4,146,239
reference.39946.710-0004-55300-US-U-32792.01_21	10/4/02	4,250,134
reference.39946.710-0004-55300-US-U-32792.01_22	10/4/02	2,245,721
reference.39946.710-0004-55300-US-U-32792.01_23	10/4/02	1,428,007
reference.39946.710-0004-55300-US-U-32792.01_24	10/4/02	1,503,579
reference.39946.710-0004-55300-US-U-32792.01_25	10/4/02	1,205,697
reference.39946.710-0004-55300-US-U-32792.01_26	10/4/02	1,203,729
reference.39946.710-0004-55300-US-U-32792.01_27	10/4/02	1,282,372
reference.39946.710-0004-55300-US-U-32792.01_28	10/4/02	1,389,307
reference.39946.710-0004-55300-US-U-32792.01_29	10/4/02	1,543,992
reference.39946.710-0004-55300-US-U-32792.01_3	10/4/02	4,500,743
reference.39946.710-0004-55300-US-U-32792.01_30	10/4/02	223,493
reference.39946.710-0004-55300-US-U-32792.01_4	10/4/02	4,029,641
reference.39946.710-0004-55300-US-U-32792.01_5	10/4/02	4,229,924
reference.39946.710-0004-55300-US-U-32792.01_6	10/4/02	4,296,895
reference.39946.710-0004-55300-US-U-32792.01_7	10/4/02	4,342,863
reference.39946.710-0004-55300-US-U-32792.01_8	10/4/02	4,260,131
reference.39946.710-0004-55300-US-U-32792.01_9	10/4/02	4,178,089
sequences.311988.710-0004-55300-US-U-32792.01_0a_1	10/4/02	3,653,891
sequences.311988.710-0004-55300-US-U-32792.01_0a_10	10/4/02	1,167,672
sequences.311988.710-0004-55300-US-U-32792.01_0a_2	10/4/02	4,775,014
orthologs.710-0004-55300-US-U-32792_1	10/4/02	4,095,520
sequences.311988.710-0004-55300-US-U-32792.01_0a_3	10/4/02	4,740,883
sequences.311988.710-0004-55300-US-U-32792.01_0a_4	10/4/02	4,510,006
sequences.311988.710-0004-55300-US-U-32792.01_0a_5	10/4/02	4,525,717
sequences.311988.710-0004-55300-US-U-32792.01_0a_6	10/4/02	2,962,193
sequences.311988.710-0004-55300-US-U-32792.01_0a_7	10/4/02	1,601,387
sequences.311988.710-0004-55300-US-U-32792.01_0a_8	10/4/02	1,539,385
sequences.311988.710-0004-55300-US-U-32792.01_0a_9	10/4/02	1,567,360
sequences.311988.710-0004-55300-US-U-32792.01_1	10/4/02	5,416,752
sequences.311988.710-0004-55300-US-U-32792.01_10	10/4/02	4,683,659
sequences.311988.710-0004-55300-US-U-32792.01_2	10/4/02	4,704,757
sequences.311988.710-0004-55300-US-U-32792.01_3	10/4/02	4,766,060
sequences.311988.710-0004-55300-US-U-32792.01_4	10/4/02	4,189,865
sequences.311988.710-0004-55300-US-U-32792.01_5	10/4/02	5,072,525
sequences.311988.710-0004-55300-US-U-32792.01_6	10/4/02	6,040,785
sequences.311988.710-0004-55300-US-U-32792.01_7	10/4/02	7,717,443
sequences.311988.710-0004-55300-US-U-32792.01_8	10/4/02	8,011,610
sequences.311988.710-0004-55300-US-U-32792.01_9	10/4/02	7,518,381
sequences.39946.710-0004-55300-US-U-32792.01_0a_1	10/4/02	1,596,606
sequences.39946.710-0004-55300-US-U-32792.01_0a_10	10/4/02	1,462,469

File Name:	Creation Date:	File Size (bytes):
sequences.39946.710-0004-55300-US-U-32792.01_1	10/4/02	7,198,873
sequences.39946.710-0004-55300-US-U-32792.01_0a_11	10/4/02	1,480,567
sequences.39946.710-0004-55300-US-U-32792.01_0a_12	10/4/02	1,698,423
sequences.39946.710-0004-55300-US-U-32792.01_0a_13	10/4/02	1,470,343
sequences.39946.710-0004-55300-US-U-32792.01_0a_14	10/4/02	1,360,526
sequences.39946.710-0004-55300-US-U-32792.01_0a_15	10/4/02	1,828,886
sequences.39946.710-0004-55300-US-U-32792.01_0a_16	10/4/02	1,554,501
sequences.39946.710-0004-55300-US-U-32792.01_0a_17	10/4/02	1,423,535
sequences.39946.710-0004-55300-US-U-32792.01_0a_18	10/4/02	1,725,122
sequences.39946.710-0004-55300-US-U-32792.01_0a_19	10/4/02	1,592,888
sequences.39946.710-0004-55300-US-U-32792.01_0a_2	10/4/02	1,497,026
sequences.39946.710-0004-55300-US-U-32792.01_0a_20	10/4/02	1,729,271
sequences.39946.710-0004-55300-US-U-32792.01_0a_21	10/4/02	1,541,213
sequences.39946.710-0004-55300-US-U-32792.01_0a_22	10/4/02	3,631,279
sequences.39946.710-0004-55300-US-U-32792.01_0a_23	10/4/02	4,399,193
sequences.39946.710-0004-55300-US-U-32792.01_0a_24	10/4/02	4,290,415
sequences.39946.710-0004-55300-US-U-32792.01_0a_25	10/4/02	4,130,566
sequences.39946.710-0004-55300-US-U-32792.01_0a_26	10/4/02	4,350,905
sequences.39946.710-0004-55300-US-U-32792.01_0a_27	10/4/02	4,326,357
sequences.39946.710-0004-55300-US-U-32792.01_0a_28	10/4/02	4,862,400
sequences.39946.710-0004-55300-US-U-32792.01_0a_29	10/4/02	4,147,664
sequences.39946.710-0004-55300-US-U-32792.01_0a_3	10/4/02	1,441,270
sequences.39946.710-0004-55300-US-U-32792.01_0a_30	10/4/02	556,615
sequences.39946.710-0004-55300-US-U-32792.01_0a_4	10/4/02	1,520,136
sequences.39946.710-0004-55300-US-U-32792.01_0a_5	10/4/02	1,393,707
sequences.39946.710-0004-55300-US-U-32792.01_0a_6	10/4/02	1,424,077
sequences.39946.710-0004-55300-US-U-32792.01_0a_7	10/4/02	1,484,994
sequences.39946.710-0004-55300-US-U-32792.01_0a_8	10/4/02	1,420,064
sequences.39946.710-0004-55300-US-U-32792.01_0a_9	10/4/02	1,539,402
sequences.39946.710-0004-55300-US-U-32792.01_10	10/4/02	7,357,798
sequences.39946.710-0004-55300-US-U-32792.01_11	10/4/02	7,375,711
orthologs.710-0004-55300-US-U-32792_10	10/4/02	3,887,554
sequences.39946.710-0004-55300-US-U-32792.01_12	10/4/02	6,678,366
sequences.39946.710-0004-55300-US-U-32792.01_13	10/4/02	6,700,673
sequences.39946.710-0004-55300-US-U-32792.01_14	10/4/02	7,285,752
sequences.39946.710-0004-55300-US-U-32792.01_15	10/4/02	5,904,721
sequences.39946.710-0004-55300-US-U-32792.01_16	10/4/02	7,267,387
sequences.39946.710-0004-55300-US-U-32792.01_17	10/4/02	7,578,226
sequences.39946.710-0004-55300-US-U-32792.01_18	10/4/02	7,233,121
sequences.39946.710-0004-55300-US-U-32792.01_19	10/4/02	7,226,685
sequences.39946.710-0004-55300-US-U-32792.01_2	10/4/02	7,423,753
sequences.39946.710-0004-55300-US-U-32792.01_20	10/4/02	6,764,024
sequences.39946.710-0004-55300-US-U-32792.01_21	10/4/02	7,241,386

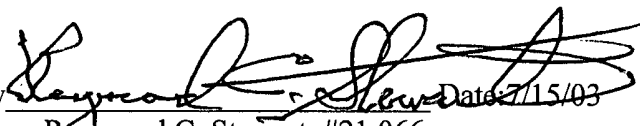
File Name:	Creation Date:	File Size (bytes):
sequences.39946.710-0004-55300-US-U-32792.01_22	10/4/02	5,396,152
sequences.39946.710-0004-55300-US-U-32792.01_23	10/4/02	4,010,522
sequences.39946.710-0004-55300-US-U-32792.01_24	10/4/02	4,357,062
sequences.39946.710-0004-55300-US-U-32792.01_25	10/4/02	3,430,396
sequences.39946.710-0004-55300-US-U-32792.01_26	10/4/02	3,177,277
sequences.39946.710-0004-55300-US-U-32792.01_27	10/4/02	3,957,081
sequences.39946.710-0004-55300-US-U-32792.01_28	10/4/02	4,172,510
sequences.39946.710-0004-55300-US-U-32792.01_29	10/4/02	4,697,383
sequences.39946.710-0004-55300-US-U-32792.01_3	10/4/02	7,498,427
sequences.39946.710-0004-55300-US-U-32792.01_30	10/4/02	560,320
sequences.39946.710-0004-55300-US-U-32792.01_4	10/4/02	6,777,554
sequences.39946.710-0004-55300-US-U-32792.01_5	10/4/02	7,375,829
sequences.39946.710-0004-55300-US-U-32792.01_6	10/4/02	7,168,961
sequences.39946.710-0004-55300-US-U-32792.01_7	10/4/02	7,064,843
sequences.39946.710-0004-55300-US-U-32792.01_8	10/4/02	7,029,455
sequences.39946.710-0004-55300-US-U-32792.01_9	10/4/02	6,865,084
orthologs.710-0004-55300-US-U-32792_11	10/4/02	3,713,057
orthologs.710-0004-55300-US-U-32792_12	10/4/02	3,709,763
orthologs.710-0004-55300-US-U-32792_13	10/4/02	3,709,648
orthologs.710-0004-55300-US-U-32792_14	10/4/02	3,574,485
orthologs.710-0004-55300-US-U-32792_15	10/4/02	3,994,380
orthologs.710-0004-55300-US-U-32792_16	10/4/02	3,406,134
orthologs.710-0004-55300-US-U-32792_17	10/4/02	3,650,891
orthologs.710-0004-55300-US-U-32792_18	10/4/02	3,420,198
orthologs.710-0004-55300-US-U-32792_19	10/4/02	3,493,649
orthologs.710-0004-55300-US-U-32792_2	10/4/02	3,812,707
orthologs.710-0004-55300-US-U-32792_20	10/4/02	3,514,236
orthologs.710-0004-55300-US-U-32792_21	10/4/02	3,627,651
orthologs.710-0004-55300-US-U-32792_22	10/4/02	3,484,322
orthologs.710-0004-55300-US-U-32792_23	10/4/02	3,409,930
orthologs.710-0004-55300-US-U-32792_24	10/4/02	3,391,808
orthologs.710-0004-55300-US-U-32792_25	10/4/02	3,622,761
orthologs.710-0004-55300-US-U-32792_26	10/4/02	3,675,893
orthologs.710-0004-55300-US-U-32792_27	10/4/02	3,940,541
orthologs.710-0004-55300-US-U-32792_28	10/4/02	5,344,637
orthologs.710-0004-55300-US-U-32792_29	10/4/02	5,552,390
orthologs.710-0004-55300-US-U-32792_3	10/4/02	3,905,502
orthologs.710-0004-55300-US-U-32792_30	10/4/02	5,116,383
orthologs.710-0004-55300-US-U-32792_31	10/4/02	6,185,864
orthologs.710-0004-55300-US-U-32792_32	10/4/02	5,880,889
orthologs.710-0004-55300-US-U-32792_33	10/4/02	5,826,198
orthologs.710-0004-55300-US-U-32792_34	10/4/02	5,919,050
orthologs.710-0004-55300-US-U-32792_35	10/4/02	5,886,020

File Name:	Creation Date:	File Size (bytes):
orthologs.710-0004-55300-US-U-32792_36	10/4/02	5,700,570
orthologs.710-0004-55300-US-U-32792_37	10/4/02	730,537
orthologs.710-0004-55300-US-U-32792_4	10/4/02	3,772,793
orthologs.710-0004-55300-US-U-32792_5	10/4/02	3,802,044
orthologs.710-0004-55300-US-U-32792_6	10/4/02	3,679,820
orthologs.710-0004-55300-US-U-32792_7	10/4/02	3,721,940
orthologs.710-0004-55300-US-U-32792_8	10/4/02	3,798,045
orthologs.710-0004-55300-US-U-32792_9	10/4/02	3,877,214

If there are any problems concerning the Compact Disk Submission, please contact the undersigned at telephone number 703-205-8000 or by facsimile at 703-205-8050.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By  Date: 7/15/03
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2750-1566P